

We claim:

1. A counterweight mounting structure for construction machine, the structure comprising:

an upper rotating body mounted rotatably on a lower traveling body;

a counterweight mounting member formed on said upper rotating body;

a counterweight connected to said counterweight mounting member through a fixing member with a predetermined gap, said counterweight having a recessed portion on its mounting surface to said upper rotating body; and

an elastic soundproof member installed on the counterweight in such a manner that a part of said soundproof member protrudes from an opening of said recessed portion, wherein said counterweight is mounted on said upper rotating body in such a way that said soundproof member is brought in contact with, and pressed against an end surface of said counterweight mounting member.

2. The counterweight mounting structure for construction machine according to claim 1, wherein said soundproof member is made contact with, and pressed against an approximately vertical surface of said counterweight mounting member from the outside.

3. The counterweight mounting structure for construction machine according to claim 1, wherein said counterweight mounting member is a tail end

section of a rotating frame of said upper rotating body.

4. The counterweight mounting structure for construction machine according to claim 3, wherein said recessed portion is formed along an inner surface of said counterweight approximately horizontally facing the tail end section of said rotating frame.
5. The counterweight mounting structure for construction machine according to claim 1, wherein a dividing portion is formed in said recessed portion, said soundproof member is partitioned into a plurality of parts by said dividing portion as boundary, and a water drain is formed inside said dividing portion.
6. The counterweight mounting structure for construction machine according to claim 5, wherein said dividing portion of said recessed portion includes a sound reflecting surface spreading out downward like an unfolded fan.
7. The counterweight mounting structure for construction machine according to claim 5, wherein a space including the water drain has a labyrinth structure for damping sound escaping through said water drain to the outside.